LISTING OF CLAIMS

1.   (Currently Amended) Method for displaying data of a machine control system comprising:

receiving status data for at least one element of ~~a machine controlled~~ the machine control system, which represent at least one physical state variable;

representing the status data which have been received for the element;

representing a circuit diagram, which displays, at least for the element, an electrical connection of the element to other individual elements in ~~a machine controlled~~ the machine control system;

where the representation of the status data which have been received for the element occurs in the represented circuit diagram.

2.   (Currently Amended) Method according to Claim 1, where the representation of the circuit diagram occurs using a characterization, which has been stored for the element, and associated connection data, which represent the electrical connection of the element in ~~a machine controlled~~ the machine control system.

3.   (Original) Method according to Claim 2, where the characterization allows the association of the element with its status data.

4.   (Previously Presented) Method according to Claim 1, where the status data are displayed one of at or on the represented element in the circuit diagram.

5.   (Previously Presented) Method according to Claim 1, where the step of receiving the status data also comprises an identification of elements, which are to be represented in the circuit diagram, where the representation of the status data for the identified elements occurs.

6.   (Previously Presented) Method according to Claim 1, where, in response to user input, which establishes a preset value for the represented status data, the preset value is set as a value for a corresponding state variable in the machine control system.

7.   (Previously Presented) Method according to Claim 1, where corresponding target values are displayed with the status data for the element.

8.   (Previously Presented) Method according to Claim 1, where corresponding limit values are displayed with the status data for the element.

9.   (Previously Presented) Method according to Claim 1, where previous status data for the element are represented, which indicate at least one previous value for the state variable.

10-12. (Canceled)

13.   (Previously Presented) Method according to Claim 2, where the step of receiving the status data also comprises an identification of elements, which are to be represented in the circuit diagram, where the representation of the status data for the identified elements occurs.

14.   (Previously Presented) Method according to Claim 2, where, in response user input which establishes a preset value for the represented status data, the preset value is set as a value for a corresponding state variable in the machine control system.

15.   (Previously Presented) Method according to Claim 14, where, in response to the user input which establishes a preset value for the represented status date, the preset value is set as a value for the corresponding state variable in the machine control system.

16.   (Previously Presented) Method according to Claim 2, where corresponding target values are displayed with the status data for the element.

17.   (Previously Presented) Method according to Claim 2, where corresponding limit values are displayed with the status data for the element.

18.   (Previously Presented) Method according to Claim 7, where corresponding limit values are displayed with the status data for the element.

19.   (Previously Presented) Method according to Claim 7, where previous status data for the element are represented which indicate at least one previous value for the state variable.

20.   (Previously Presented) Method according to Claim 8, where previous status data for the element are represented which indicate at least one previous value for the state variable.

21-23. (Canceled)